

Samsung Commercial Displays

INTERACTIVE DISPLAY SOLUTIONS



Interactive touchscreens revolutionized smartphones and tablets with their ability to simplify navigation and share information instantly. Samsung – the market leader in consumer displays and touchscreens – also offers a complete interactive displays solution for business, retail and education. The solution enables whole new ways to drive employee productivity, engage retail shoppers and accelerate student learning.



Versatile and Flexible Solution

The Samsung interactive displays solution provides maximum versatility and flexibility including:

- **Eight different LED display models (32"- 75") with compatible Touch Overlay modules**
- **Complete media player flexibility**
- **Intuitive MagicIWB software**



Intuitive MagicIWB Software

MagicIWB software turns the Samsung interactive displays into innovation spaces. MagicIWB lets users quickly access and edit productivity applications, Web resources and digital files (text, video, audio). So meetings and planning sessions are more productive. And learning is interactive.



Samsung Quality and Reliability

Samsung manufactures millions of advanced LED displays and touchscreens each year. We invest billions of dollars in R&D and manufacturing. So our interactive displays are built to legendary Samsung quality and reliability standards.

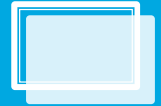


Easy to Install, Simple to Manage

Samsung displays are strong yet lightweight, so they are easy to install. The Touch Overlay modules simply attach over the compatible LED display and require tightening—just six screws for a seamless finish and a sleek look.

DEPLOY INTERACTIVE DISPLAYS WITH THREE SIMPLE STEPS

1 CHOOSE A PANEL AND A TOUCH OVERLAY



Samsung provides maximum flexibility by enabling interactive features on eight different models. Choose from:

Super-slim PEC Series (40", 46", 55") with highest-brightness screens

Super-slim MEC Series (32", 40", 46", 55", 75") with high-brightness screens

Fully featured MDC Series (65") with direct-lit LED

Affordable ED Series (65", 75") with edge-lit LED

Panel		PE40C	PE46C	PE55C	ME32C	ME40C	ME46C	ME55C	ME75C	MD65C	ED65C	ED75C
Panel	Diagonal Size	40"	46"	55"	32"	40"	46"	55"	75"	65"	65"	75"
	Type	60Hz e-LED BLU	60Hz e-LED BLU	60Hz e-LED BLU	60Hz e-LED BLU	60Hz e-LED BLU	60Hz e-LED BLU	120Hz e-LED BLU	240Hz LED BLU	60Hz LED BLU	120Hz LED BLU	240Hz LED BLU
	Resolution	1920 x 1080 (16:9)										
	Brightness (Typ.)	700 nits	700 nits	700 nits	450 nits	450 nits	450 nits	450 nits	550 nits	450 nits	320 nits	320 nits
	Contrast Ratio	4000:1	4000:1	4000:1	5000:1	5000:1	5000:1	5000:1	5000:1	4000:1	4000:1	4000:1
Connectivity	Input	RGB	Analog D-SUB, DVI-D, DisplayPort 1.2									Analog D-SUB
		VIDEO	HDMI1, HDMI2, Component (CVBS Common)									HDMI1
		AUDIO	Stereo Mini Jack									HDMI1
	Output	RGB	DP1.2 (Loop-out)									N/A
Mechanical Spec	Dimension	Set	36.2" x 21" x 1.4"	41.5" x 24" x 1.4"	49.2" x 28.4" x 1.4"	28.9" x 17.1" x 1.2"	36.3" x 21.2" x 1.2"	41.6" x 24.2" x 1.2"	49.1" x 28.4" x 1.2"	66.1" x 37.7" x 1.9"	57.8" x 33.4" x 2.2"	57.8" x 33.4" x 2.6"
		Package	38.8" x 25" x 5.3"	44.9" x 28.3" x 5.5"	54.1" x 33" x 6.5"	32.8" x 20.4" x 4.7"	40.2" x 24.3" x 5.1"	46" x 28.4" x 5.5"	53.9" x 33.4" x 7.8"	73.3" x 46.2" x 18.6"	63" x 38.6" x 8.5"	63" x 38.6" x 8.5"
	Weight	Set	29.8 lbs.	27.5 lbs.	45.1 lbs.	14.8 lbs.	23.4 lbs.	28.9 lbs.	36.2 lbs.	100.1 lbs.	60.3 lbs.	59 lbs.
		Package	35.5 lbs.	36.5 lbs.	56.9 lbs.	18.3 lbs.	27.8 lbs.	36.8 lbs.	48.5 lbs.	144.3 lbs.	88.7 lbs.	73.9 lbs.

Touch interactivity is enabled by attaching a compatible Touch Overlay module (sold separately). The module is made with scratch-resistant glass and specially coated so that writing feels just like it does on conventional whiteboards. The Touch Overlays also have an anti-glare film for optimal viewing – even in bright light.



Touch Overlay Model		CY-TM32LCA	CY-TM40LCA	CY-TM46LCA	CY-TM55LCC	CY-TE65	CY-TE75	CY-TM75	CY-TP40	CY-TP46	CY-TP55
Compatible Panel		ME32C	ME40C	ME46C	ME55C	MD65C, ED65C	ED75C	ME75B, ME75C	PE40C	PE46C	PE55C
Inch		32"	40"	46"	55"	65"	75"	75"	40"	46"	55"
Mechanical Spec	Dimension	Set	29.6" x 17.6" x 1.3"	37" x 21.7" x 1.3"	42.4" x 27.7" x 1.3"	49.9" x 29" x 1.3"	59.8" x 35.2" x 1.8"	68.4" x 40" x 1.8"	68.4" x 40" x 1"	37.0" x 21.7" x 1.26"	42.4" x 24.7" x 1.26"
		Package	33.1" x 21" x 4"	40.5" x 25.2" x 4"	28.9" x 46.7" x 4"	54.2" x 33.2" x 4"	65.1" x 29.8" x 10.4"	74.4" x 44.7" x 10.4"	74.5" x 44.7" x 10.5"	40.5" x 25.2" x 4.0"	46.7" x 29.1" x 4.0"
	Weight	Set	9.3 lbs.	12.8 lbs.	16.1 lbs.	20.9 lbs.	48.9 lbs.	58.6 lbs.	46.5 lbs.	12.7 lbs.	16.1 lbs.
		Package	11.9 lbs.	15.7 lbs.	20.3 lbs.	26.9 lbs.	64.8 lbs.	80.5 lbs.	71 lbs.	15.6 lbs.	20.2 lbs.
	Glass Thickness (mm)		2.8	2.8	2.8	2.8	3.2	3.2	2.8	2.8	2.8
	Glass Film		AG (Front), PET (Rear)								
	Glass Reflection Rate		≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
	Glass Haze		≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%
Touch	Frame Material		Aluminum Extrusion								
	Bezel Width (mm)		26.5	23.6	26.5	26.5	42.7	42.7	23.6	26.5	26.5
	Touch Technology		IR	IR	IR	IR	IR	IR	IR	IR	IR
	Response Time		11ms	11ms	14ms	11ms	11ms	11ms	11ms	14ms	11ms
	Number of Simultaneous Touch		10 Point	10 Point	10 Point	6 Point	6 Point	6 Point	10 Point	10 Point	6 Point
	Operating System		Windows XP Pro SP3, Windows 7 32/64, Windows 8 32/64, Linux Ubuntu 10.10/11.04, iOS 10.8 or higher						Windows XP Pro SP3, Windows 7 32/64, Windows 8 32/64, Linux Ubuntu 10.10/11.04, iOS 10.8 or lower		
	Accessory	Software	MagicWB Basic (e-Board S/W)	MagicWB Basic (e-Board S/W)	MagicWB Basic (e-Board S/W)	MagicWB Basic (e-Board S/W)	MagicWB Basic (e-Board S/W)	MagicWB Basic (e-Board S/W)	MagicWB 2.0 Basic (e-Board S/W)	MagicWB 2.0 Basic (e-Board S/W)	MagicWB 2.0 Basic (e-Board S/W)
		Hardware	N/A	N/A	N/A	N/A	Pen Tray (Including USB Hub with 1 Up, 2 Down), Pen	Pen Tray (Including USB Hub with 1 Up, 2 Down), Pen	N/A	N/A	N/A

The 65" and 75" Touch Overlay modules include a pen tray attachment and a stylus pen. The pen tray has two integrated USB slots on the side for connecting USB flash drives for easy file uploads. The stylus pen can be used for fine detail drawing and writing.



2 CONNECT A MEDIA PLAYER



Samsung interactive displays can connect to a variety of media players for complete flexibility. Connect a Samsung Plug-In Module (PIM) into a slot in the back of the display for a clean, sleek look with no cables to manage. The PIM has a quad-core processor and Windows embedded operating system for powerful and reliable performance.

Or connect a Samsung Set Back Box (SBB) to the interactive display. The slim profile SBB also uses a quad-core processor and Windows embedded operating system for a PC-like performance with a very small footprint.

Want even more flexibility? Connect a Windows PC or notebook or a third party media player to the Samsung interactive displays.



SBB-CQ7



PIM-BQ7P

Samsung Media Players

Model		SBB-CQ7	PIM-BQ7P
Model Code		SBB-Q32CV4	SBB-PQ28BP4
Media Player	CPU	AMD A8-3510M Quad-Core	AMD A8-3510M Quad-Core
	GPU	Radeon HD6620G (Integrated on APU)	Radeon HD6600 Series
	FDM/HDD/SSD	SSD 32GB	SSD 128GB
	Memory	4GB (DDR3 SO-DIMM 2GB x 2)	4GB (DDR3 SO-DIMM 4GB x 1)
	Ethernet	Gb Ethernet (RJ-45)	Gb Ethernet (RJ-45)
	Connectivity	USB	USB 2.0 Port x 2, USB 3.0 Port x 2
		Output	1st: MagicInfo Out (DP Port, Up-to 1080p) 2nd: DisplayPort
		Others	RJ-45, RS232 (D-SUB 9P)
	Operating System	Windows Embedded Standard 7	Window Professional Embedded 7
Power	Type	Internal	N/A
	Power Supply	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	N/A
	Power Consumption	70W (Max)	70W (Max), 27W (Typical)
Mechanical Spec	Dimension	Set	12.2" x 8.6" x 1.6"
	Weight	Set	4 lbs.
		Package	5.5 lbs.

3 LAUNCH MagicIWB SOFTWARE



The MagicIWB software is easy to learn and easy to use. In a matter of minutes, users can open files, play videos, take notes, draw pictures or browse the Web – all right on the display. Use MagicIWB to:

- Access websites, e-books, videos and data files
- Edit Microsoft® Office applications (PowerPoint, Word, Excel) content, and MagicIWB automatically converts the handwriting into text format
- Manipulate on-screen information easily with simple hand gestures
- Control and interact from a touchscreen that responds to a finger touch or stylus pen
- Share content with notebooks and tablets (iOS, Windows, Android)



INCREASE ORGANIZATIONAL PRODUCTIVITY AND COMMUNICATIONS

Samsung interactive displays enable organizations to increase meeting productivity, foster collaboration and improve communications.

Increase Meeting Productivity

Provide employees the modern tools they need to make meetings more efficient. Unlike data projectors that are often blurry and require dimming the lights, Samsung interactive displays render sharp, bright images under almost any lighting condition. The interactive displays also place necessary information resources at the team's fingertips, so decisions can be made quickly and with all the facts.

- **Edit Microsoft Office documents (Word, Excel, PowerPoint) if you already have Microsoft Office**
- **Email meeting notes and drawings to participants (and those who missed the meeting)**
- **Access audio/video/data files from the network, web, cloud storage, or USB drive**
- **Share content with other interactive displays**
- **Foster collaboration and teamwork**



Organizations can use the special features of MagicIWB for collaborative exercises. For example, MagicIWB can render a single session onto multiple interactive displays so that breakout groups can each work on their own display.

In large presentation rooms with theater-style seating, MagicIWB can be used to expand a single session across multiple displays for easy viewing from almost any angle and distance.

Improve Communications in Board Rooms, Briefing Centers and Campuses

Samsung interactive displays are perfect for high-profile areas like board rooms and customer briefing centers. The displays are sleek and have a thin profile to complement any décor. Unlike data projectors, the interactive displays enable participants to engage in face-to-face conversations while a presentation is made.

In large corporate buildings and campuses, Samsung interactive displays can also be deployed for guest way-finding and employee communications. Display interactive building and campus maps for visitors. Communicate company news and awards with videos. Or showcase upcoming events and charity projects with e-signups.



MASTER CARVING

Opens Saturday



ENGAGE, CONNECT AND TRANSACT WITH RETAIL SHOPPERS

Samsung interactive displays can be used in a variety of retail areas to engage shoppers, improve the shopping experience and transact sales.

Engage Shoppers

Samsung interactive displays can engage shoppers with interactive content and stunning visuals. For example, automotive dealers can install Samsung interactive displays on the showroom floor and service waiting areas to raise product awareness and purchase consideration. Customers can engage by virtually choosing car models and colors, configuring trims and options, and obtaining pricing information – all without feeling pressured.

Toy retailers can engage young shoppers by creating a fun, engaging atmosphere with interactive games and activities that reinforce their brand.



Ideal for:

- Automotive Dealers
- Toy Stores
- Department Stores
- Luxury Goods Retailers

Improve the Shopping Experience

Shoppers often find it hard to navigate and find merchandise at retailers with large SKU counts like home improvement centers and department stores. Samsung interactive displays can be positioned at entrances and key areas to function as virtual shopping assistants. The displays provide detailed product and location information, inventory level and promotions. Malls and shopping centers can also deploy the interactive displays for way-finding and mall services.

Ideal for:

- Shopping Malls
- Electronics Retailers
- Home Improvement Centers
- Department Stores

Transact Sales

Online retail has raised shopper expectations for in-store selection, inventory status and product details. Samsung interactive displays can combine the convenience of online shopping with the power of real-time purchase gratification. Retailers can display both in-store and online-only SKUs on the interactive displays with detailed product information, images, videos and purchase options.

Clothing retailers can use Samsung interactive displays so shoppers can easily see alternate styles, sizes and color options that may be in the store or available at the retailer's online store. Accessories and cross-sell items can also be displayed. By offering on-the-spot ideas and options, retailers can avoid showrooming and close the sale while the shopper is most engaged.

Ideal for:

- Clothing Retailers
- Department Stores
- Book and Gift Retailers
- Appliance Retailers

SKATEPARK

CONTESTS



SLIP ON, WHITE BROWN



SLIP ON, PRIMARY



LOW TOP, CANVAS



SLIP ON, BLUE



ACCELERATE STUDENT LEARNING

Today's students are digital natives who grew up with tablets and smartphones. Bring the same level of engagement and interactivity to the learning environment with Samsung interactive displays.



Make Learning Interactive in K-12 Classrooms

Samsung interactive displays empower teachers to accelerate student learning. The displays bring lesson plans to life by leveraging e-books, CDs, video animations, images, MS Office applications and the Internet.

The interactive displays and MagicIWB software can be used in conjunction with the Samsung School solution, which integrates with Samsung GALAXY Note tablets and Samsung wireless printers. Samsung School enables teachers to easily deliver content to students, share their own or a student's screen with the class, and monitor student progress in real time. Instructors can also conduct group activities, Q&As, tests or instant polls.



Samsung interactive displays allow instructors to tie together multiple digital resources with the swipe of a touchscreen. The interactive displays can also capture and email lecture notes to the students, so the students can focus on the discussion.



With the increased focus on teamwork and collaboration, Samsung interactive displays are also ideal for student meeting rooms in libraries, dorms and academic buildings. Students can use the interactive displays to collaborate on research projects, take notes, draw diagrams and share information.

IMPROVE GOVERNMENT SERVICES

Samsung interactive displays can be deployed by government agencies and departments to improve citizen services and increase coordination.

Increase Coordination at Control Centers

Control centers integrate information from multiple sources and require staff to plan and coordinate activities. Samsung interactive displays can help assemble disparate data feeds and quickly display the information on a single screen for further analysis. The interactive display's whiteboard functionality can be used by analysts to plan, coordinate and document activities. The displays also support environmental responsibility by reducing electricity use by up to 40% (compared to traditional CCFL displays) and reducing paper waste.

Provide Rich, Multilingual Information at Citizen Service Centers

Large citizen service centers such as state driver license offices and federal social security offices are often understaffed and have long wait times. Citizens may also not be familiar with required forms and procedures. Samsung interactive displays can help shorten wait times and reduce frustration by providing multilingual text or video instructions to ensure smooth processing.



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Samsung Electronics has been named 2013 ENERGY STAR Partner of the Year in the product manufacturing category by the U.S. Environmental Protection Agency (EPA).



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